

Amendments to the Specification

Please replace the title on page 1 with the following amended title:

~~METHOD AND DEVICE FOR PRODUCING PRECISION INVESTMENT CAST NE
METAL ALLOY MEMBERS AND NE METAL ALLOYS FOR CARRYING OUT SAID
METHOD~~ PROCESS AND APPARATUS FOR THE DIMENSIONALLY ACCURATE
PRECISION CASTING PRODUCTION OF COMPONENTS FROM NONFERROUS
METAL ALLOYS, AND NONFERROUS METAL ALLOYS FOR CARRYING OUT THE
PROCESS

After the title, please insert new paragraph [0000.9] as follows:

--[0000.1] The present invention relates to a method for producing precision casting of components from nonferrous metal alloys, and also relates to nonferrous metal alloys for performing the process.

Before paragraph [0001], please add the following heading:

--BACKGROUND--.

Before paragraph [0004], please add the following heading:

--SUMMARY OF THE INVENTION--.

Please replace paragraph [0004] with the following amended paragraph:

[0004] ~~This is where the invention intervenes; the~~ An object of the present invention is to significantly improve the production of components from nonferrous metal alloys in particular for use in the turbine engineering sector by means of precision casting.

Please replace paragraph [0005] with the following amended paragraph:

[0005] ~~Proceeding from the known centrifugal casting process, in which the centrifugal forces influence the shaping, mold filling and crystallization of the melt as a result of rotation of part of the casting device, this object is achieved, according to the invention, by~~ The present invention provides a process for dimensionally accurate precision casting production using casting molds which correspond to the external shape of the components to be produced in each case, comprise heated mold shells and to which the melt is supplied via a heated runner device, in such a manner that the casting molds are completely filled by means of the acceleration forces and the Coriolis forces occurring during rotation, and the

centrifugal forces applied to the melt.

Please replace paragraph [0006] with the following amended paragraph:

[0006] According to a further feature of the invention, the melt for the casting operation ~~is~~ may be diverted through approximately 30° - 180° by means of the centrifugal forces counter to the direction of flow determined by the force of gravity, and as it flows into the casting molds is forced to homogeneously fill the casting molds by the Coriolis forces.

Please replace paragraph [0007] with the following amended paragraph:

[0007] According to a further feature of the invention, the heated runner device and the heated casting molds ~~are~~ may be held at predetermined process temperatures which correspond to the nonferrous metal alloys used for the precision casting production, maintain the ability of these alloys to flow and are preferably 10 to 200°C above the melting point of the nonferrous metal alloy.

Please replace paragraph [0013] with the following amended paragraph:

[0013] ~~Finally, filling~~ Filling devices and runner channel may consist of coated steel, coated graphite, tantalum, titanium or niobium.

Please replace paragraph [0014] with the following amended paragraph:

[0014] According to the invention, the nonferrous metal alloy used is may be a TiAl alloy comprising 30 to 33% by weight of Al, 4 to 6% by weight of Nb, 0.5 to 3% by weight of Mn and 0.1 to 0.5% by weight of B, remainder Ti.

Please delete paragraph [0016].

Before paragraph [0017], please add the following heading:

--BRIEF DESCRIPTION OF THE DRAWINGS--.

Before paragraph [0020], please add the following heading:

--DETAILED DESCRIPTION--.